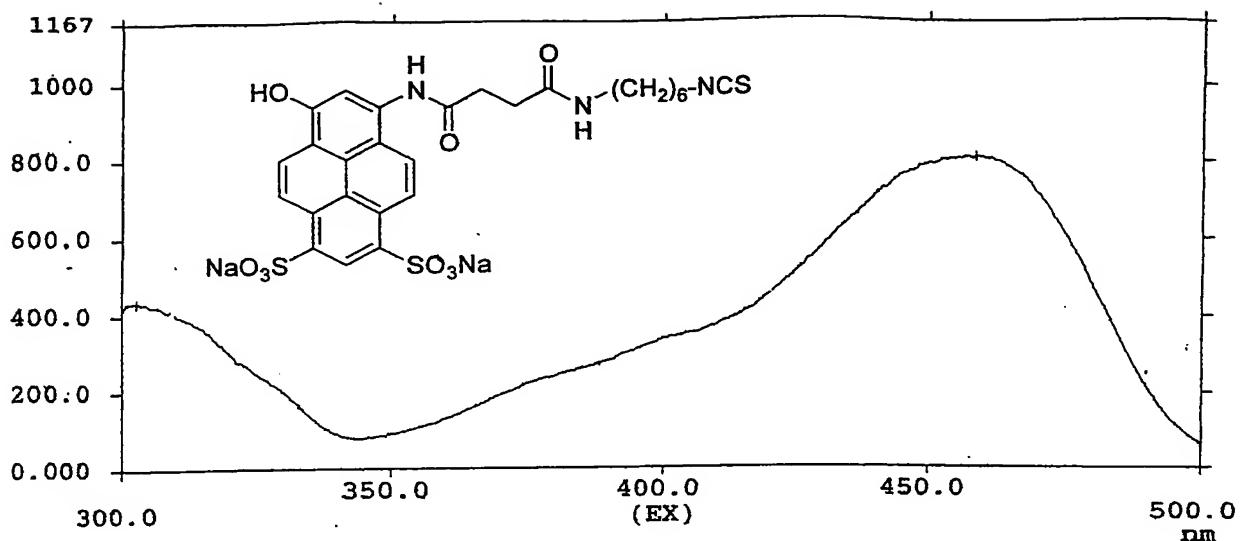


Fig. 1A

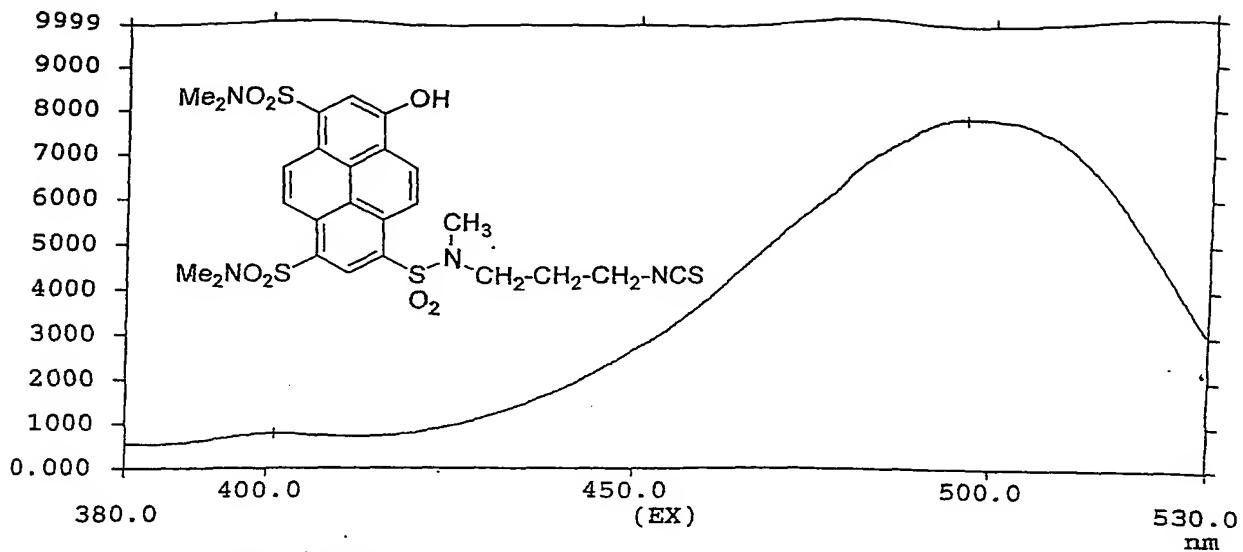


Sample : ABC-558-59
Comment : SB Susb.dil pH 9:0
EM : 508.0 nm
Data Mode : Fluorescence
Scan Speed : 1200 nm/min Slit
PMT Voltage : 700 V Response :

Sample : ABC-558-59
Comment : SB Susb.dil pH 9.0
EX : 458.0 nm
Data Mode : Fluorescence
Scan Speed : 1200 nm/min Slit (EX/EM) : 2.5 nm / 2.5 nm
PMT Voltage : 700 V Response : Auto

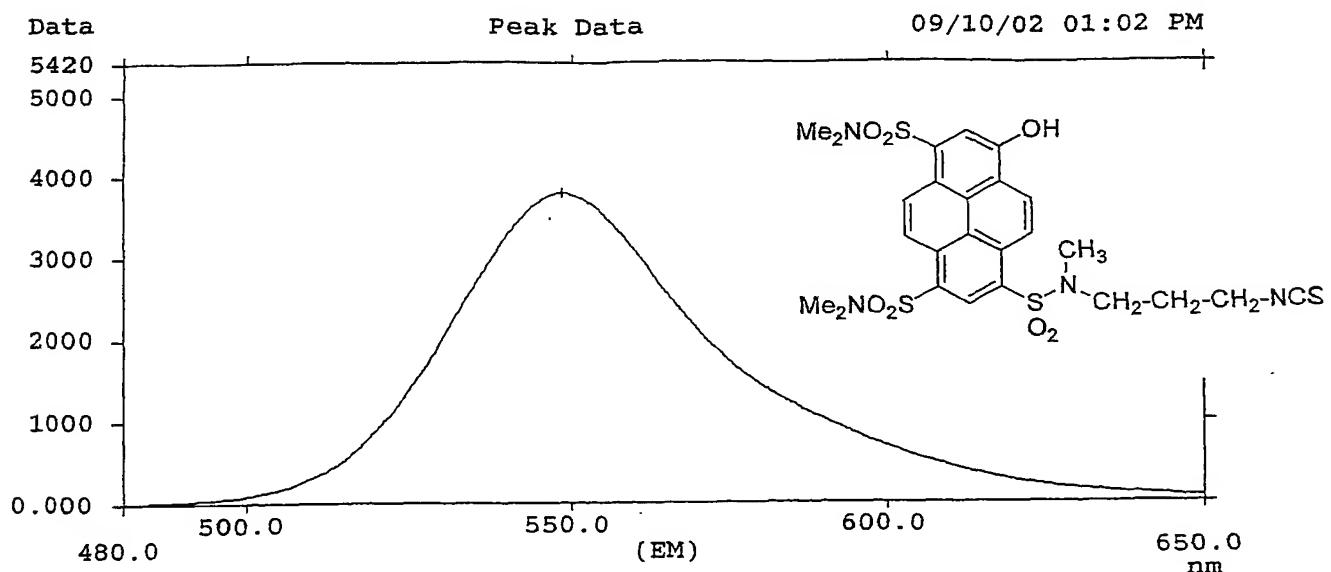
No.	WL (nm)	Peak	No.	WL (nm)	Peak
1	509.0	813.4			

Fig. 1B



Sample : SBO-R-NCS
Comment : PBS pH 7.0
EM : 547.0 nm
Data Mode : Fluorescence
Scan Speed : 1200 nm/min Slit (EX/EM) : 5.0 nm / 5.0 nm
PMT Voltage : 700 V Response : Auto

No.	WL (nm)	Peak	No.	WL (nm)	Peak
1	401.0	783.5	2	496.2	7881



Sample : SBO-R-NCS
Comment : PBS pH 7.0
EX : 460.0 nm
Data Mode : Fluorescence
Scan Speed : 1200 nm/min Slit (EX/EM) : 5.0 nm / 5.0 nm
PMT Voltage : 700 V Response : Auto

No.	WL (nm)	Peak	No.	WL (nm)	Peak
1	548.4	3807			

Fig. 2

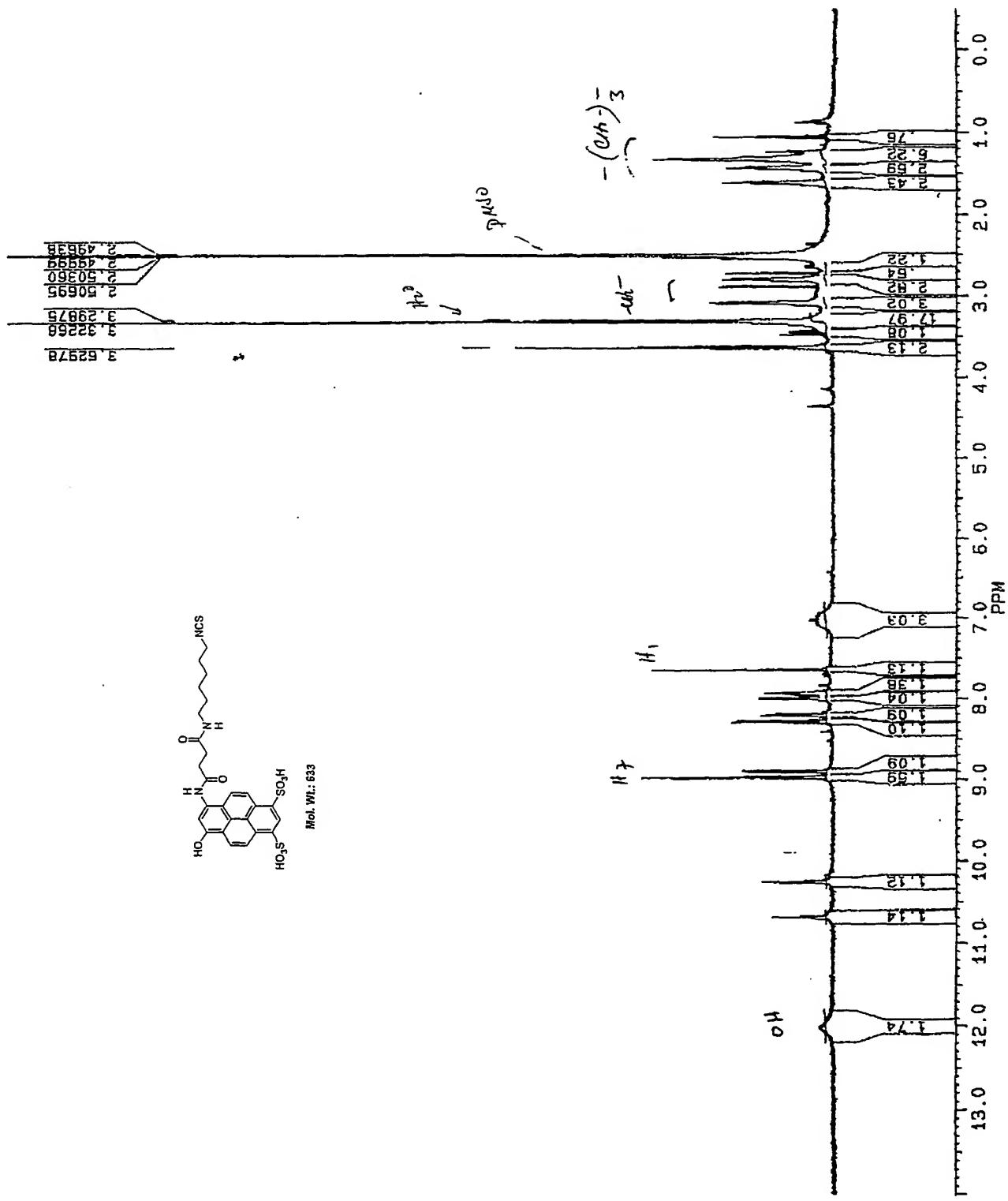
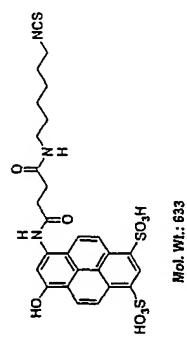


Fig. 3

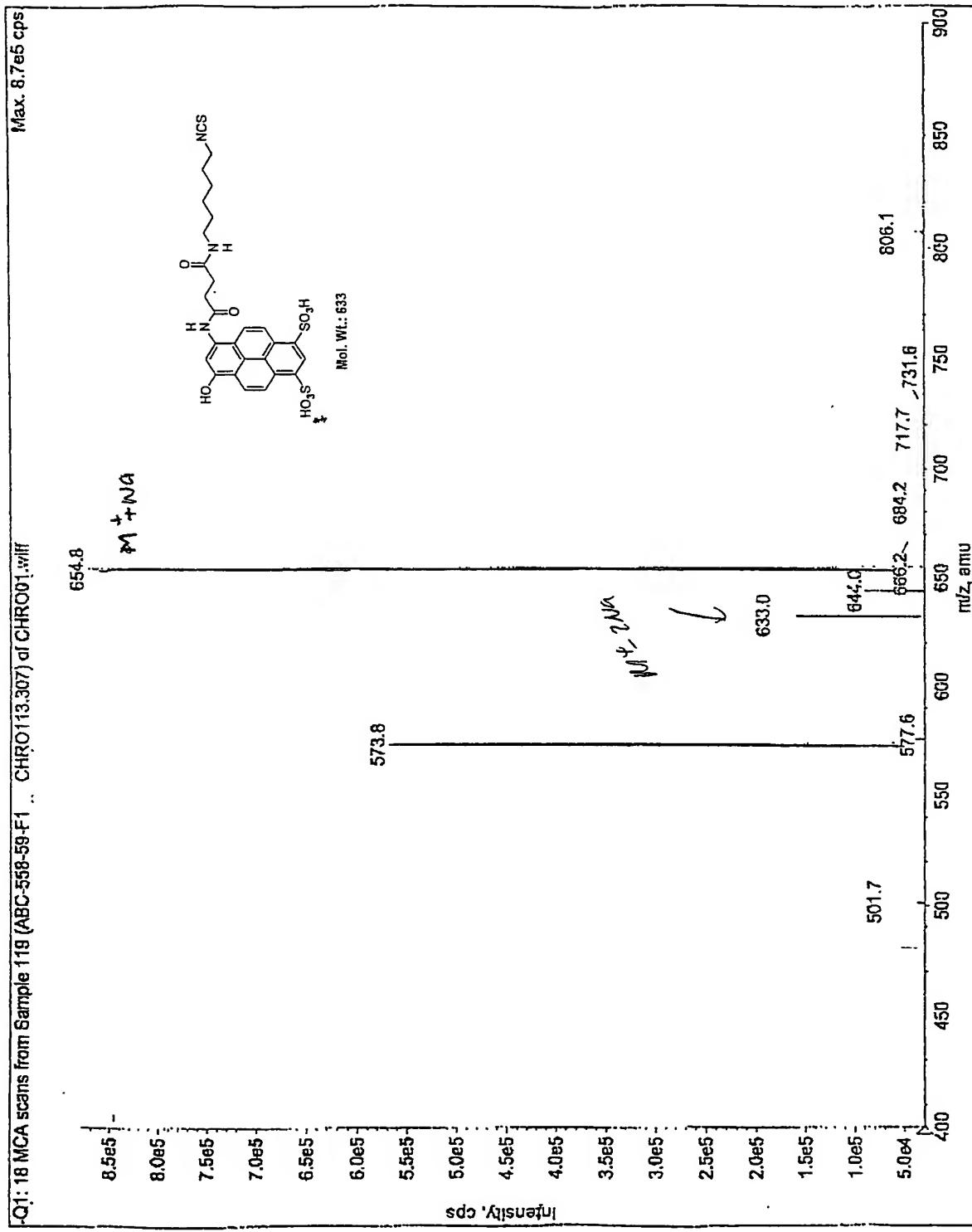


Fig. 4

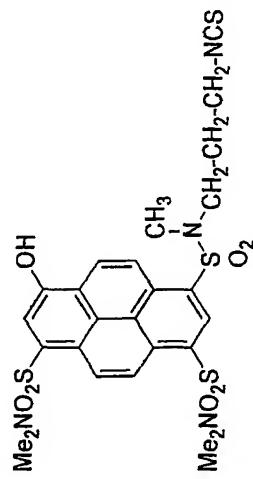
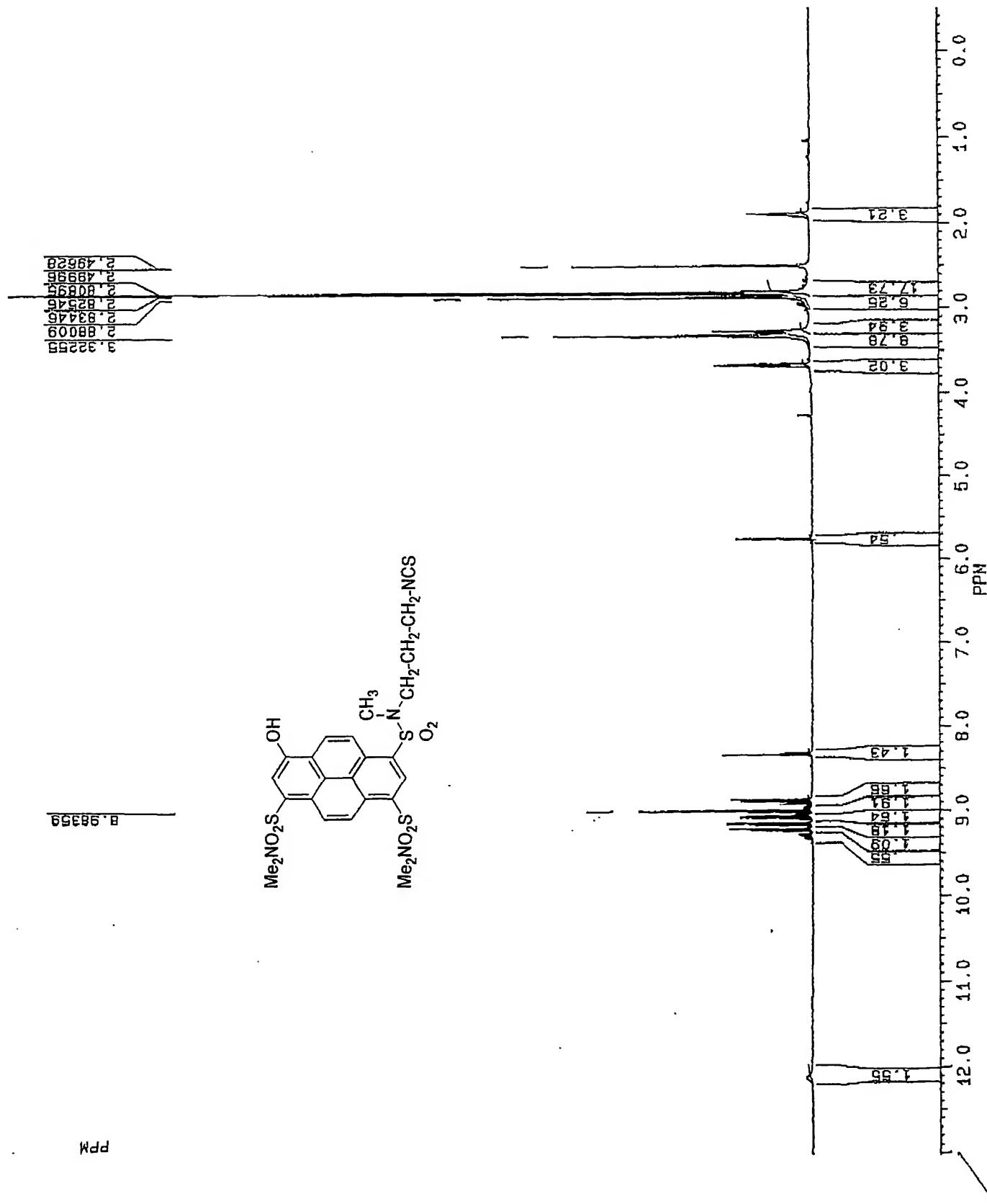
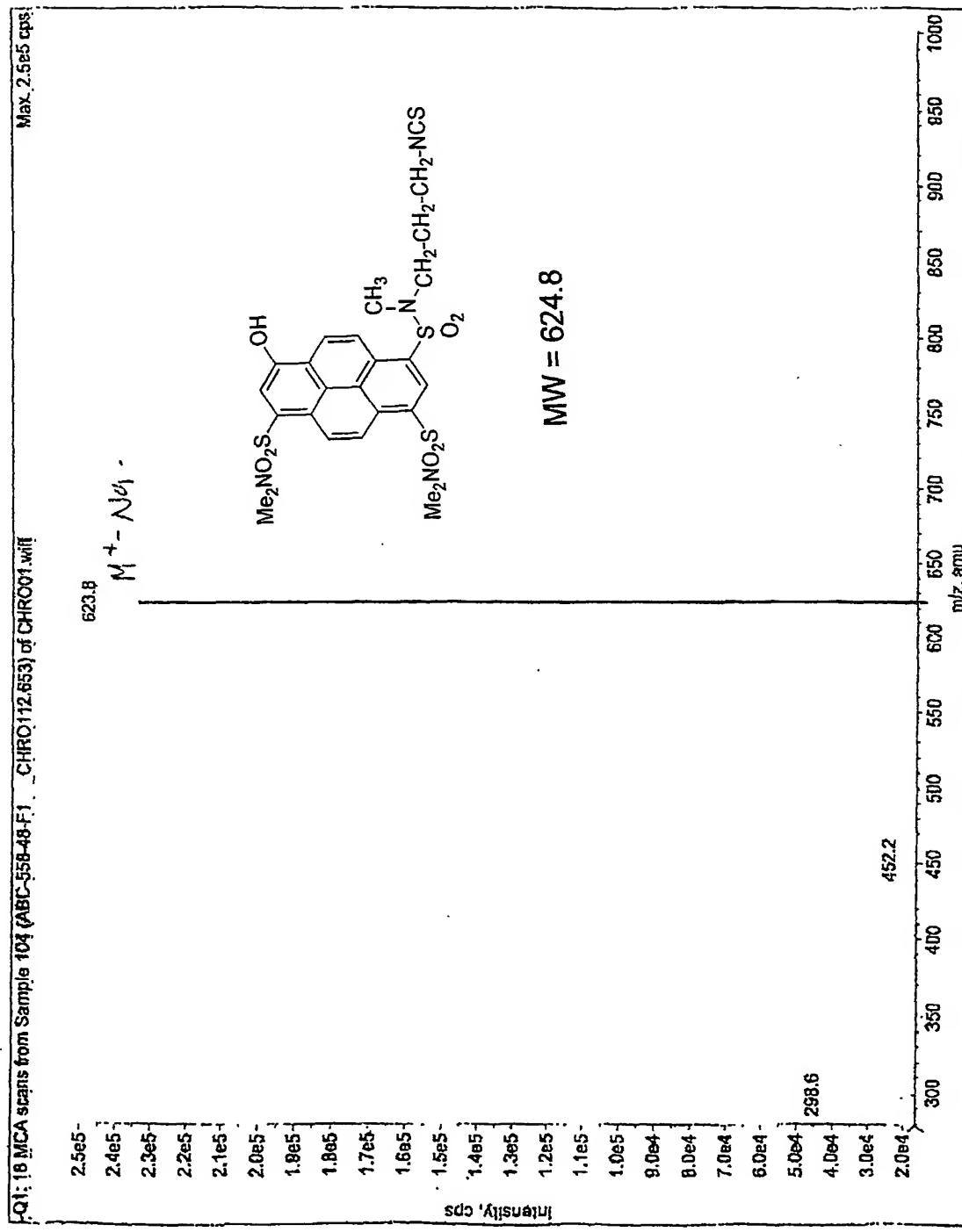


Fig. 5



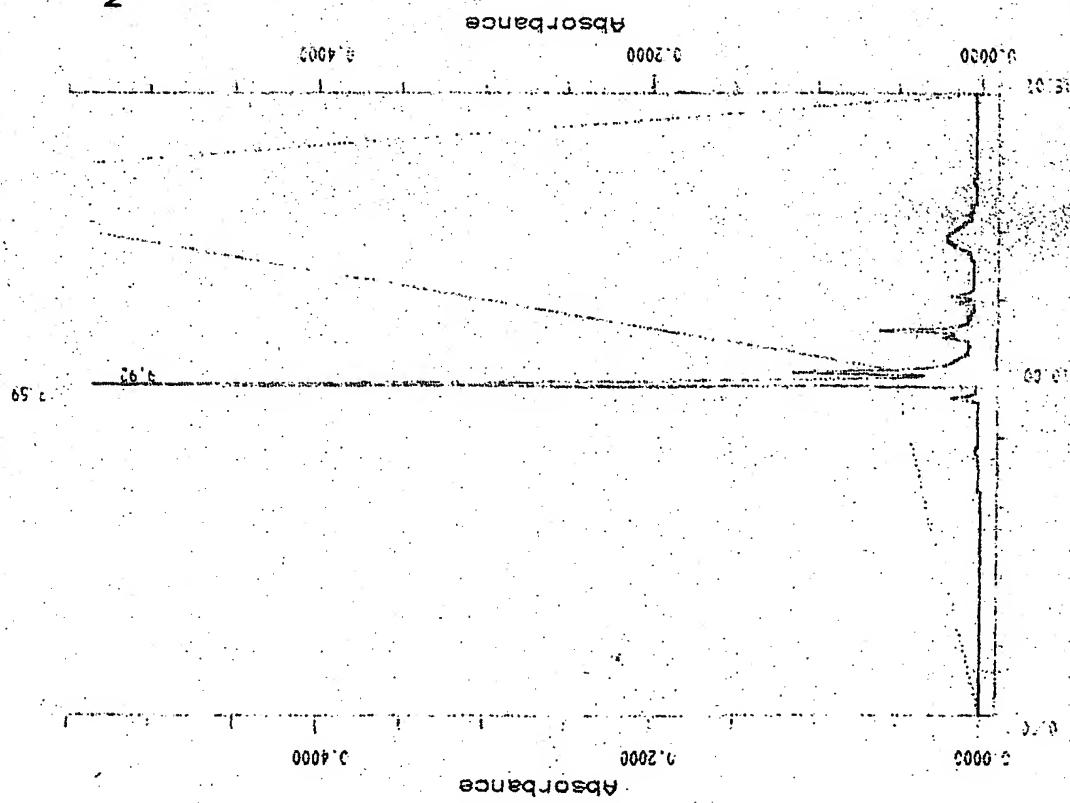
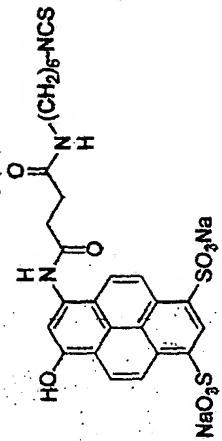


Fig. 6A

SAMPLE TABLE						
NAME	CHAN-LEV REP TYPE	DIRECTORY	TIME	DATE	COLLECTION DATA	METHOD
61901CFT	C:\61901\CEP\IFAC\G87\A31				REPORT 09:11:24	6 MAY 2002
					ANALYSIS 08:53:15	6 MAY 2002
					INFECTION 08:53:15	6 MAY 2002
					C:\61901\CEP\IFAC\G87\A31	PEP-Y-PEx
					A	4
					1.0219	1
					C:\61901\CEP\IFAC\G87\A31\	

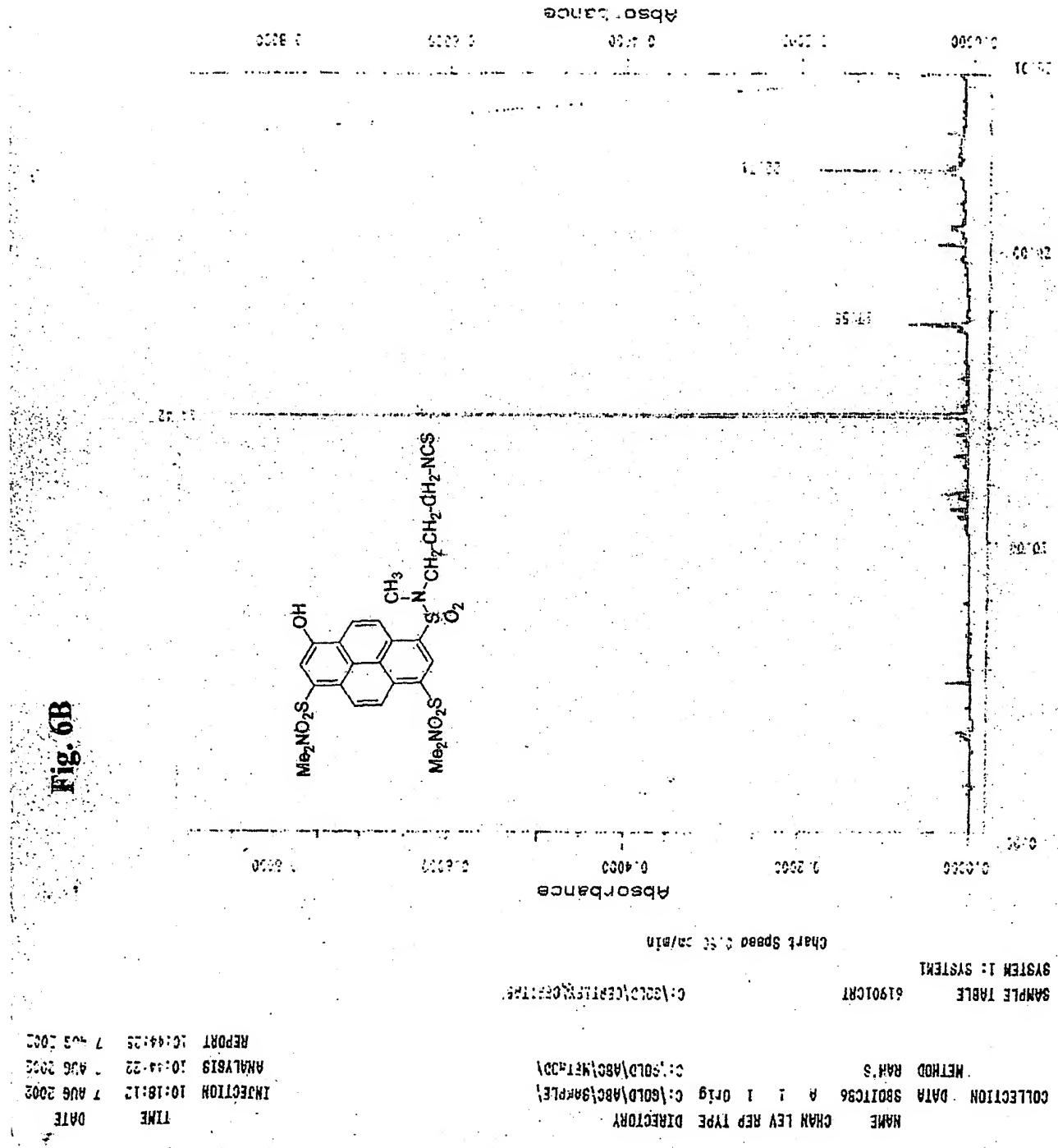
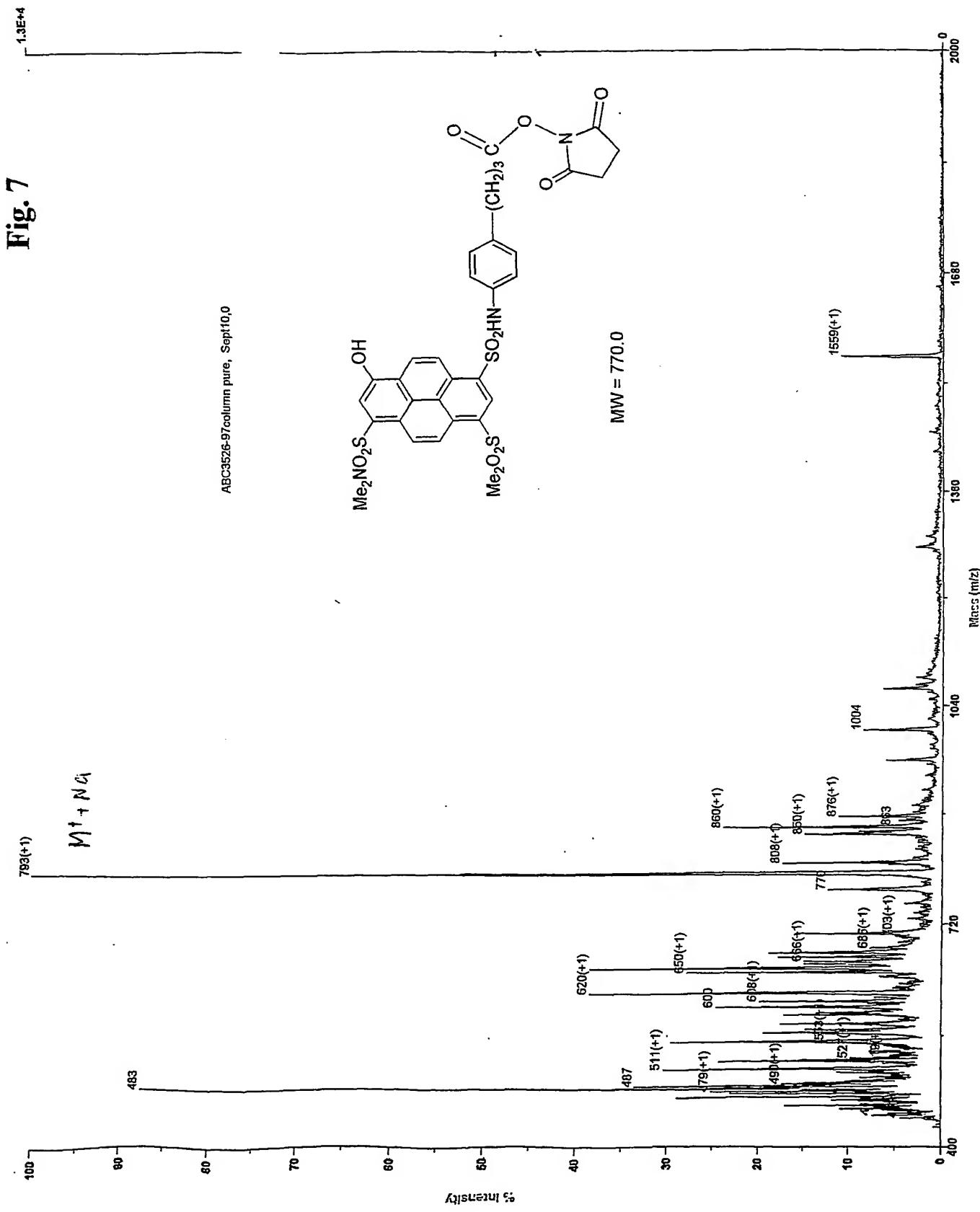


Fig. 6B



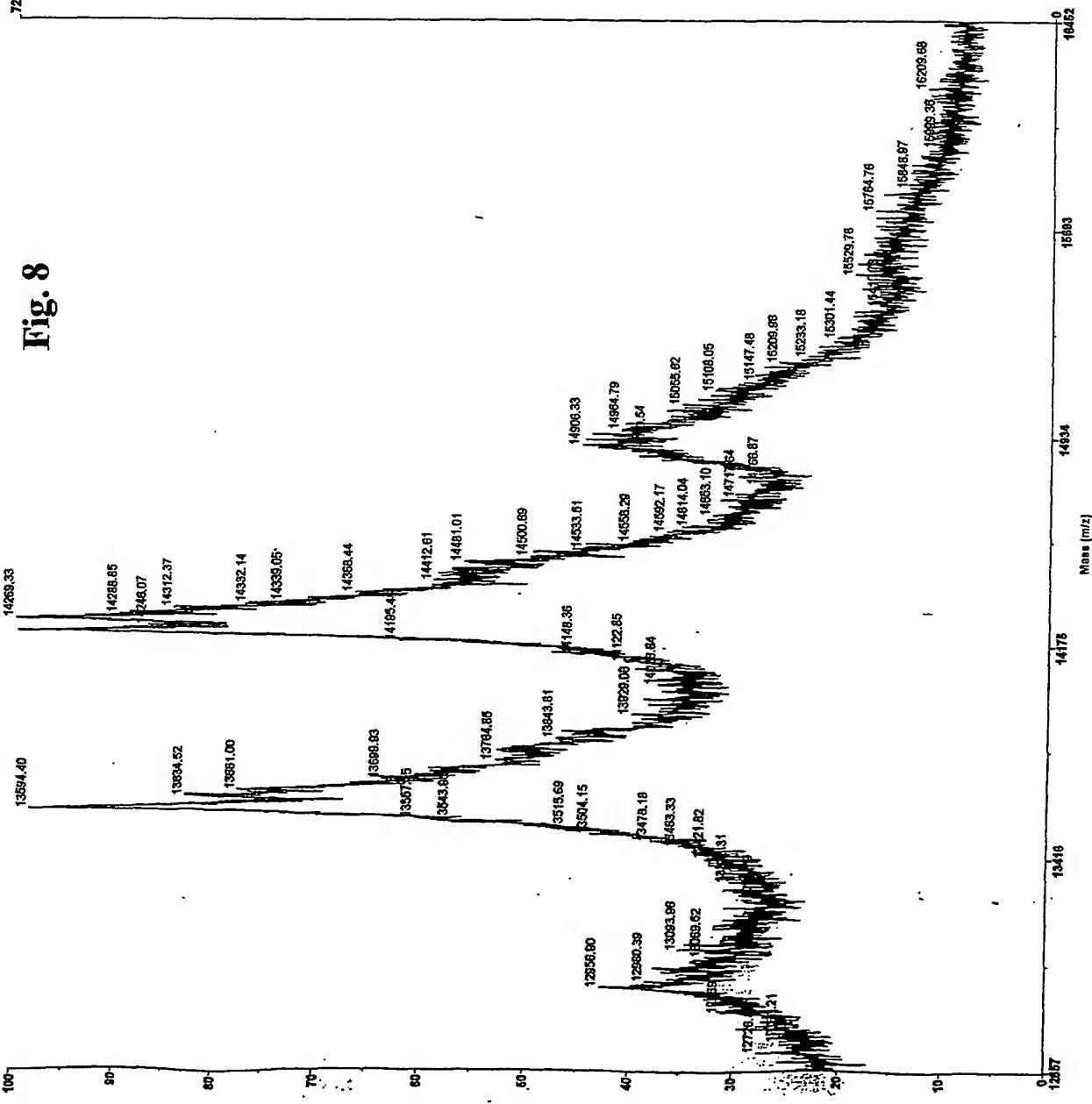


Fig. 8

Mode of operation: Linear
 Extraction mode: Delayed
 Polarity: Positive
 Acquisition control: Manual

Accelerating voltage: 25000 V
 Grid voltage: 93%
 Guide wire 0: 0.15%
 Extraction delay time: 350 nsec

Acquisition mass range: 7500 - 25000 Da
 Number of laser shots: 50/spectrum
 Laser Intensity: 2617
 Laser Rep Rate: 20.0 Hz
 Calibration type: Default
 Calibration matrix: Sinapinic acid
 Low mass gate: 7500 Da

Digitizer start time: 48.918
 Bin size: 2 nsec
 Number of data points: 20113
 Vertical scale: 200 mV
 Vertical offset: 0.2%
 Input bandwidth: 150 MHz

sbg-wash1 july25,02.bio - 1.000ml
rbabcbsbg-itc july 25,02.bio - 1.000ml

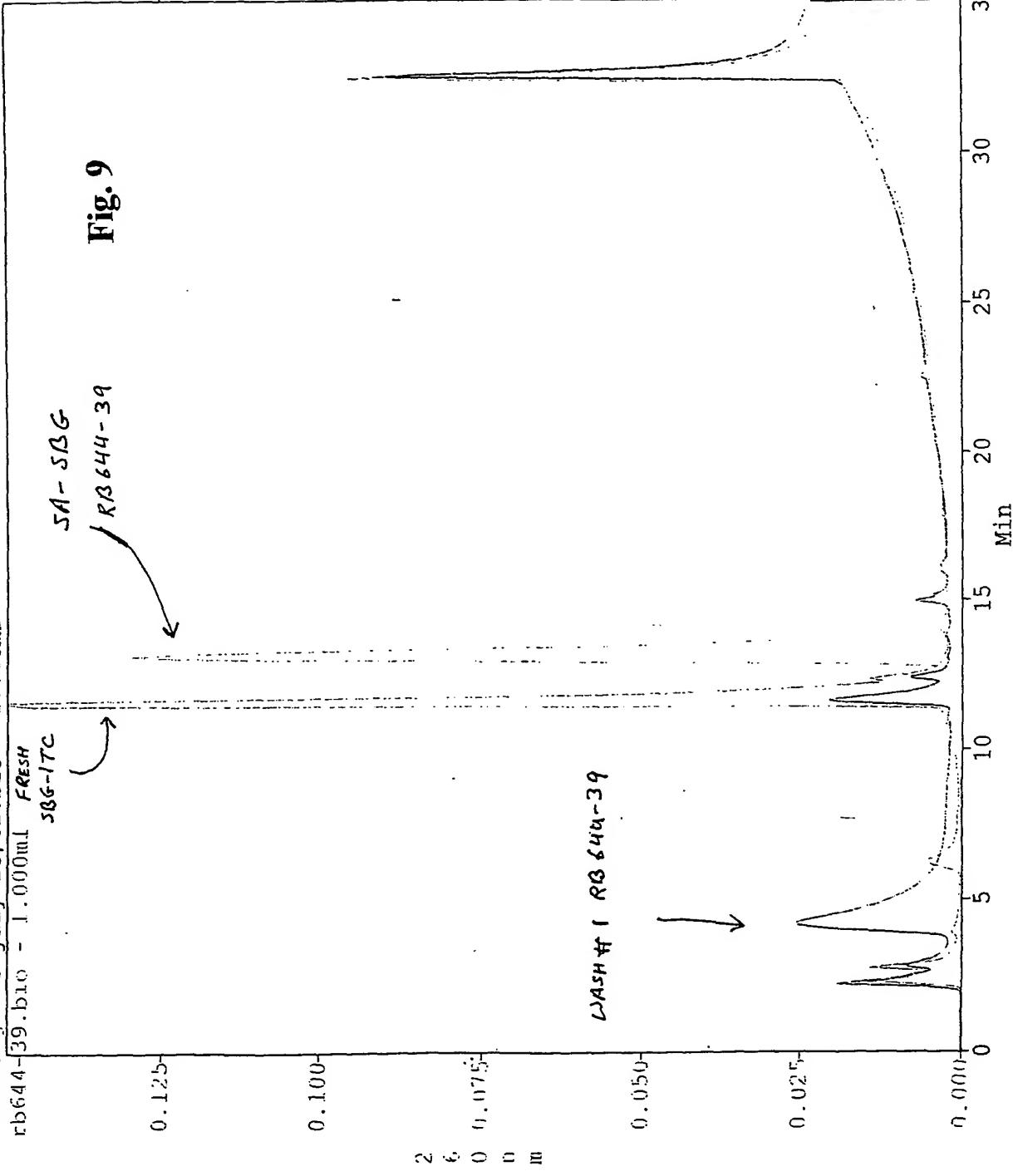
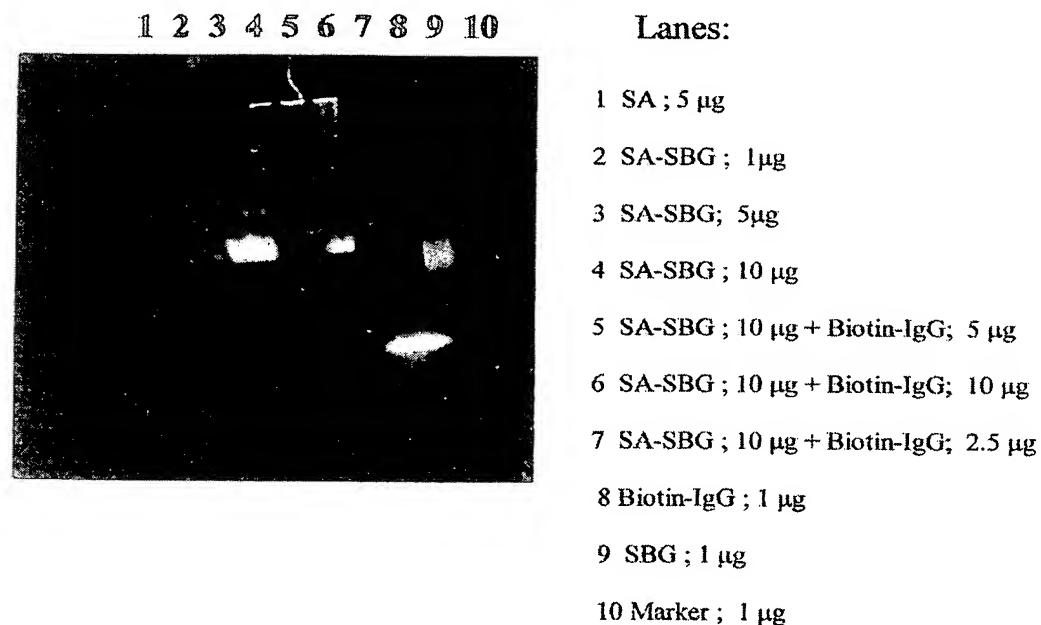


Fig. 10

Gel Shift Assay of SA-SBG conjugate:



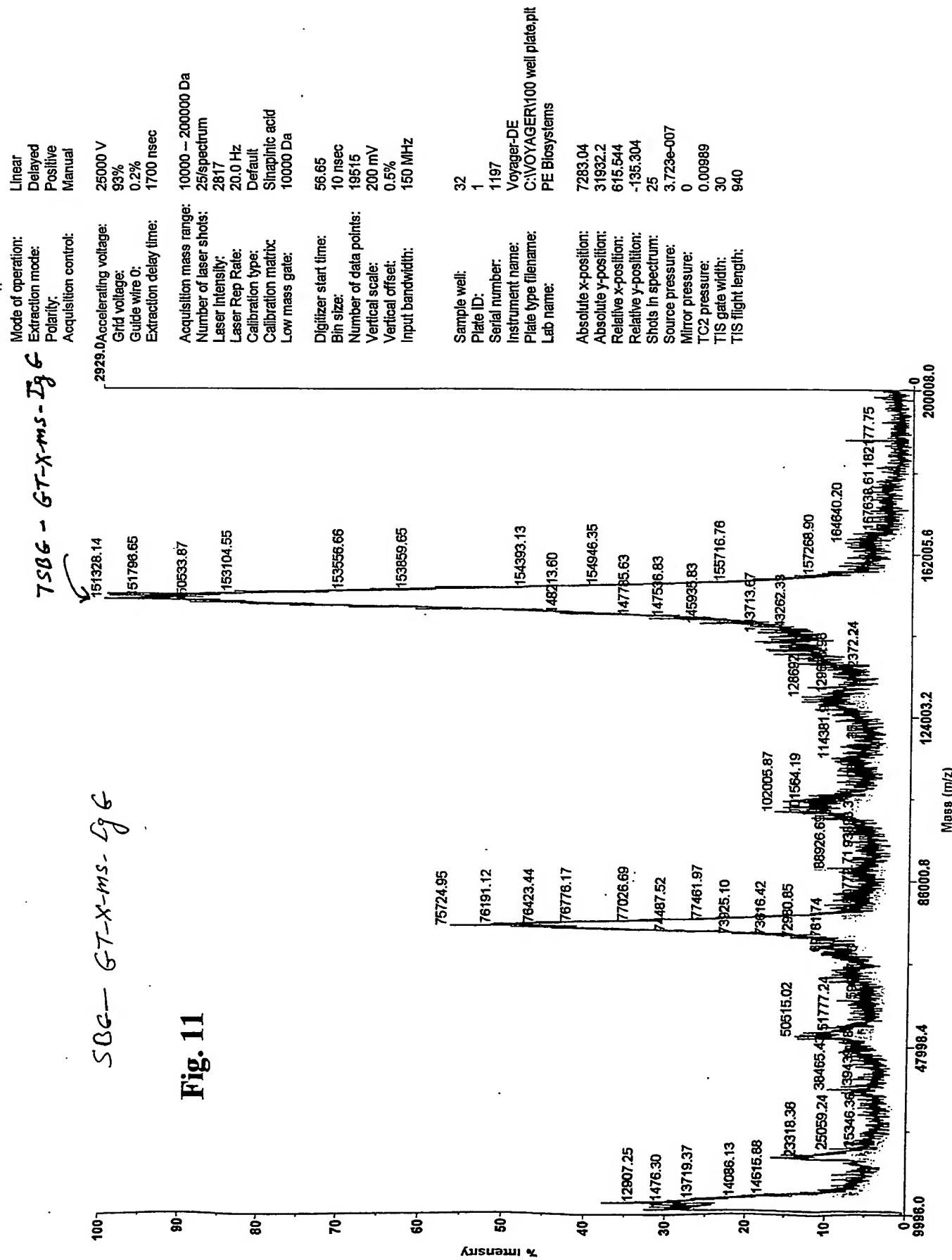
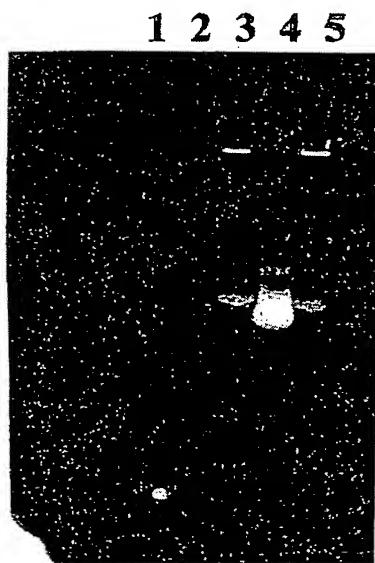


Fig. 1

Fig. 12

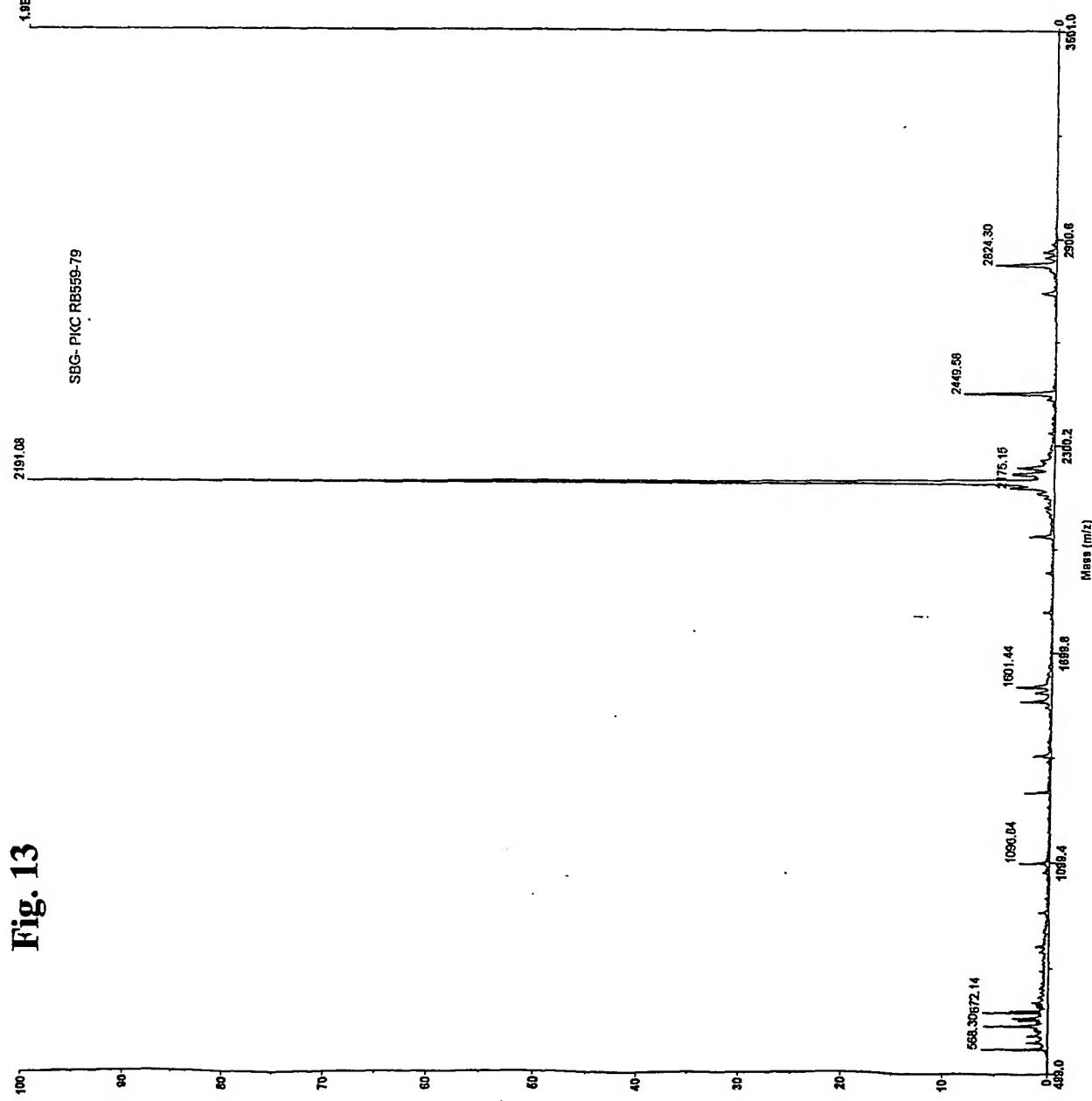
Gel Shift Assay of SA-SBO



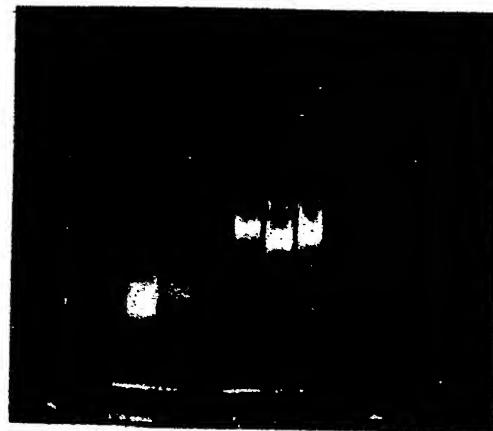
Lanes:

1. SA-SBO ; 1 μ g
2. SA-SBO + Biotin-IgG ; 5 μ g
3. SA-SBO ; 10 μ g
4. SA-SBO + Biotin-IgG ; 10 μ g
5. Biotin-IgG ; 5 μ g

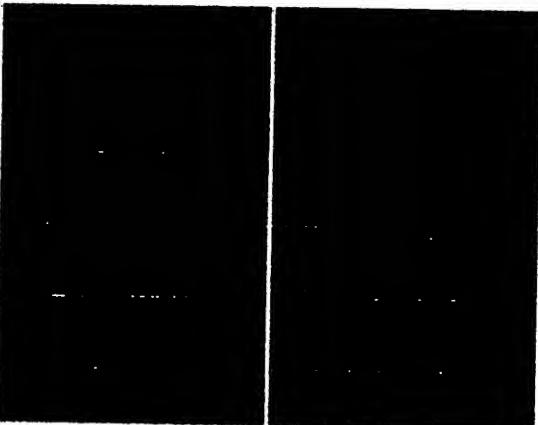
Fig. 13



POLAROID PHOTOGRAPH



**DIGITAL IMAGES
at two thresholds**



**Digital Image showing
Lane alignment**



Figure 14 is a digital image of a polyacrylamide gel showing fluorescent conjugates formed by labeling streptavidin and IgG molecules with the isothiocyanate of StarBright Orange to give labeled reporter moieties having measurable label to probe ratios.

Fig. 15



Figure 15 is a photograph of a polyacrylamide gel showing the fluorescence of an oligonucleotide labeled with StarBright Green Dye.

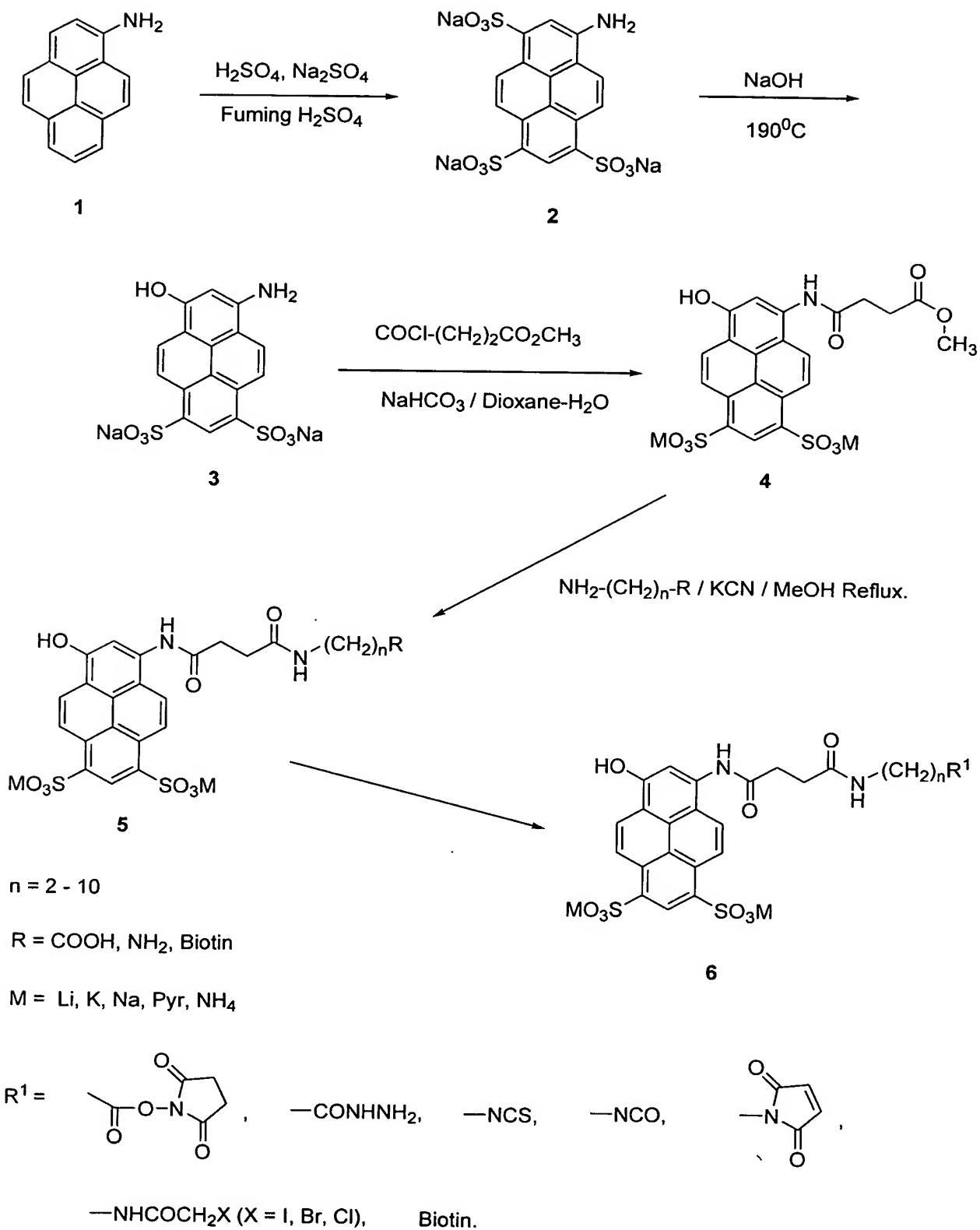


FIG. 16

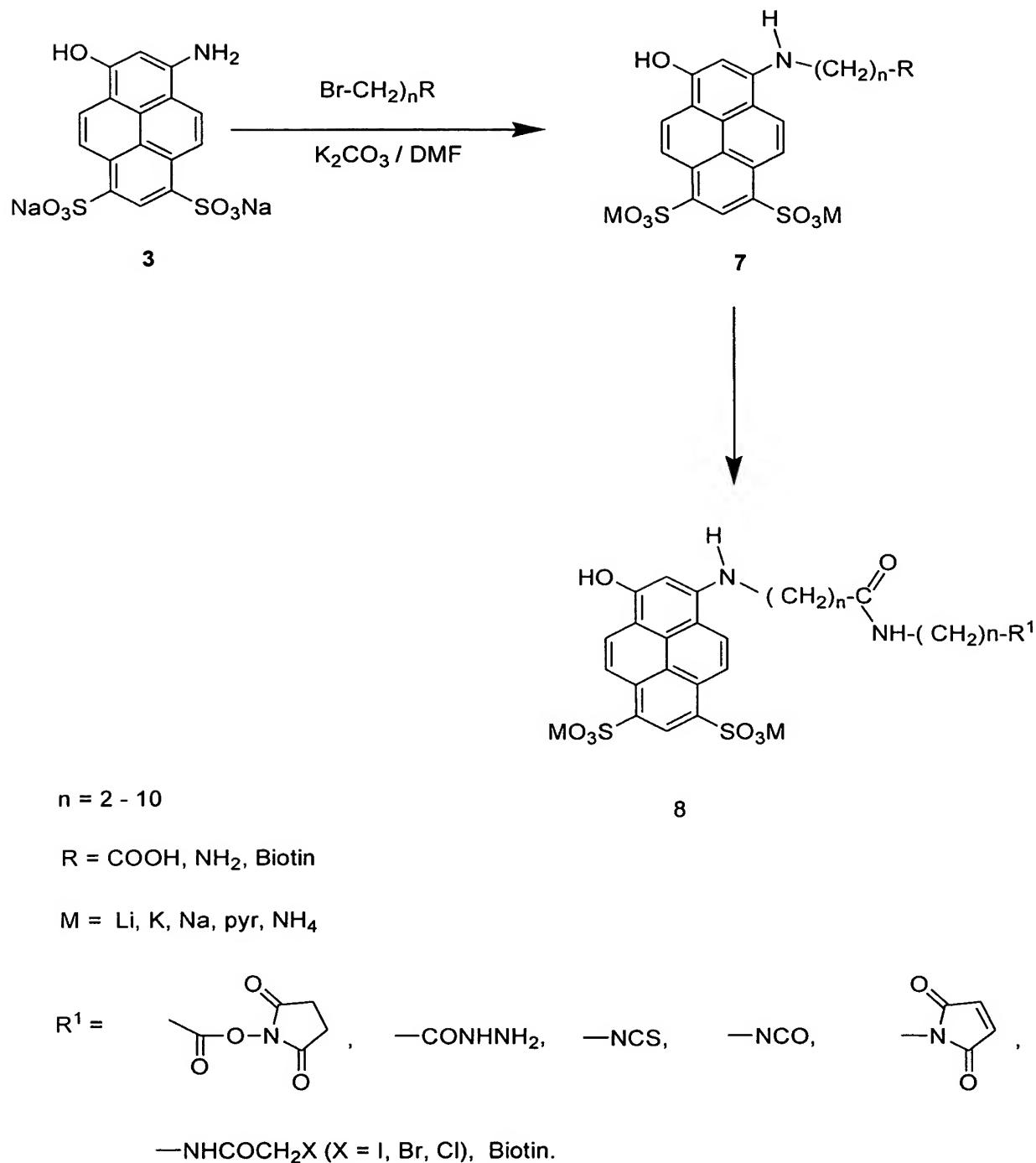


FIG. 17

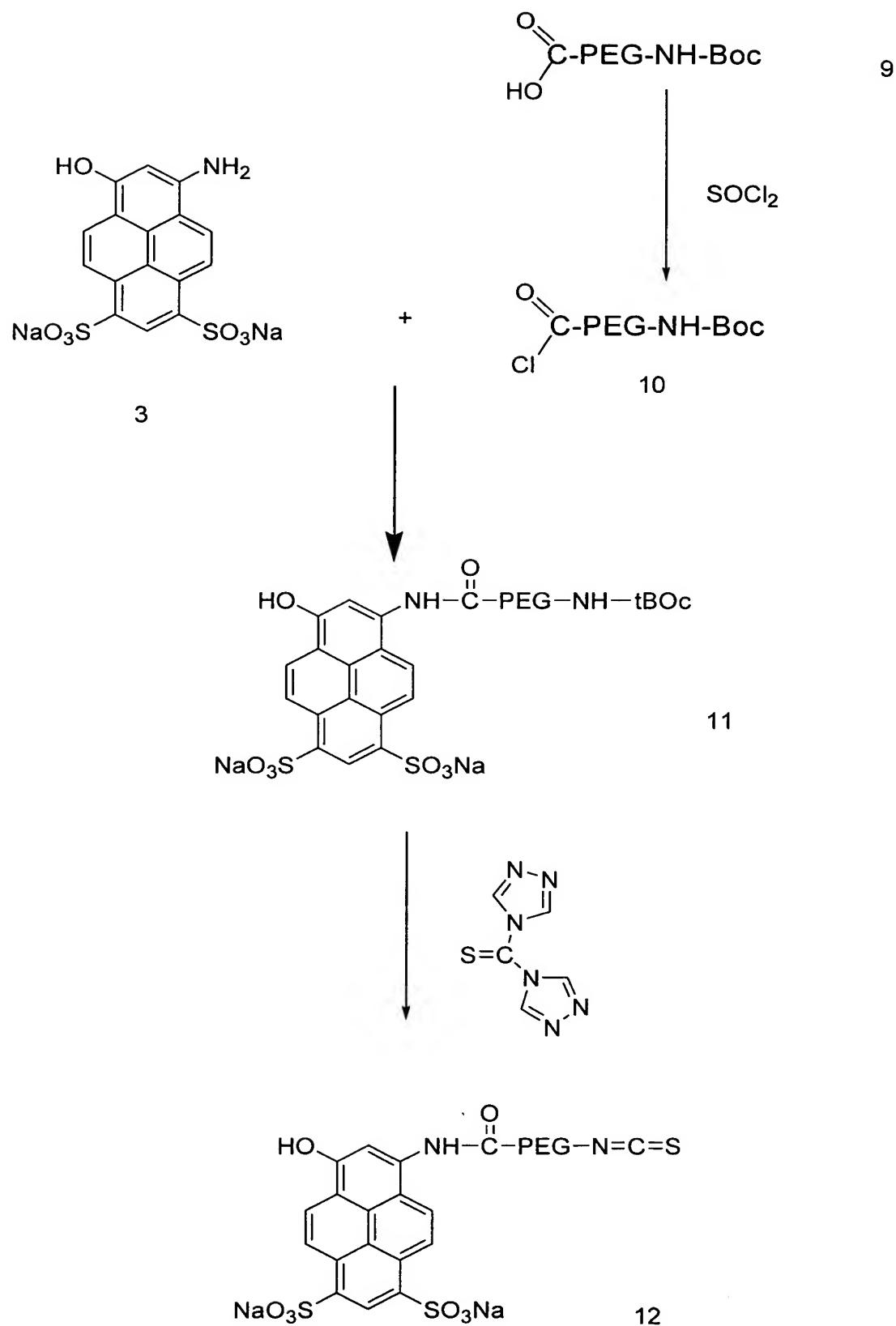
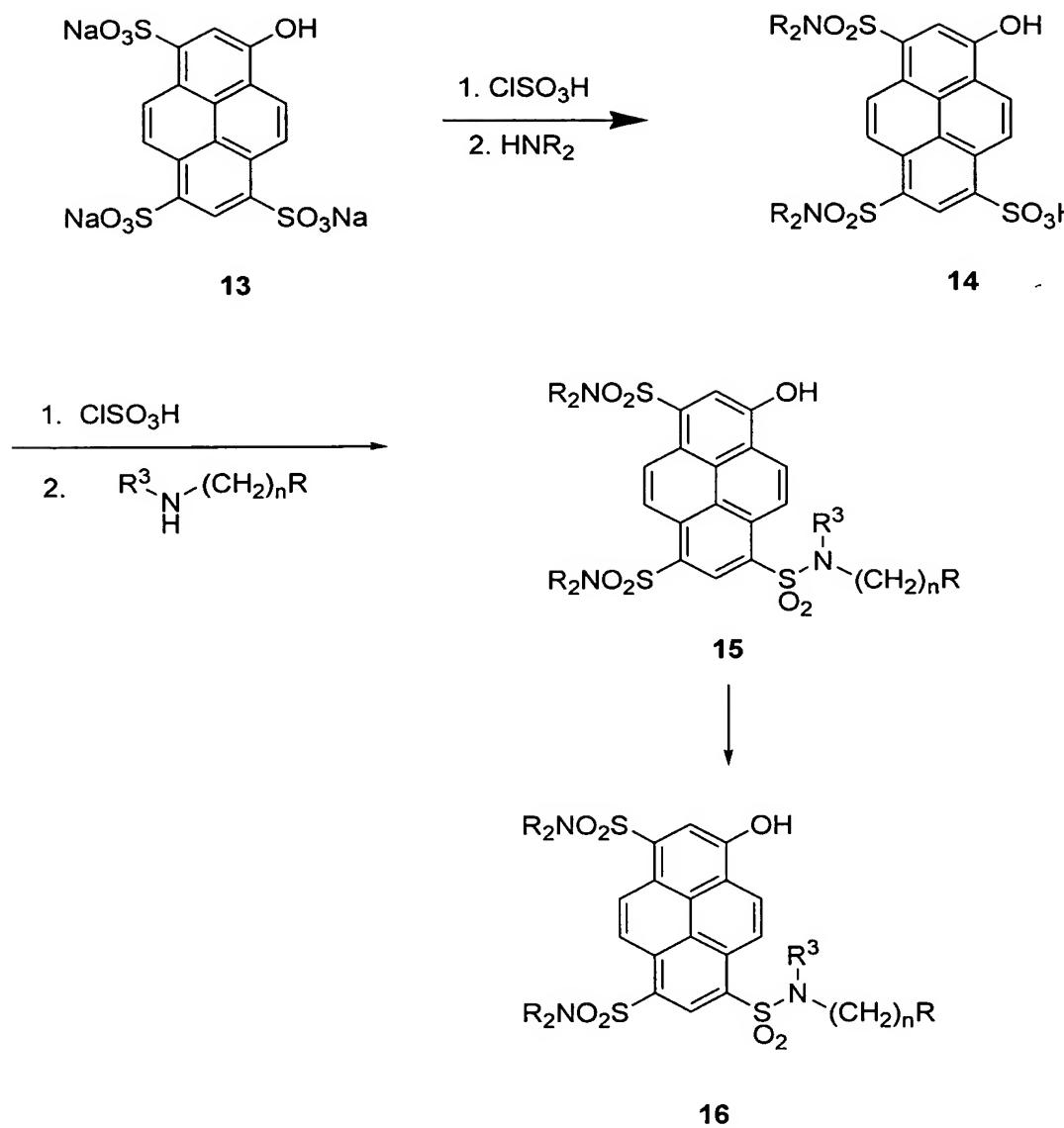


FIG. 18



$$n = 2 - 10$$

R^1, R^2 = alkyl groups

$R^3 = H, \text{alkyl groups, } R^4 = \text{COOH, NH}_2, \text{Biotin}$

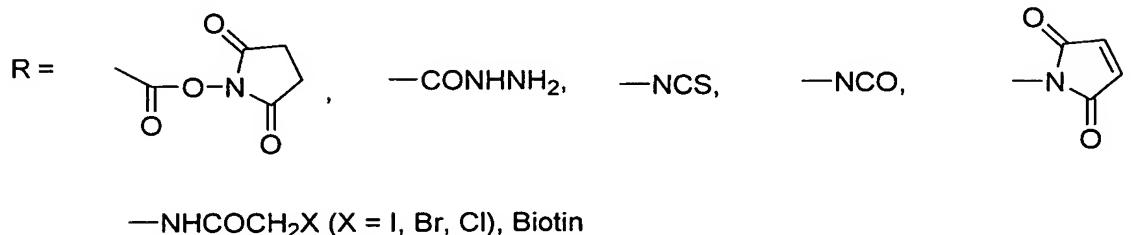
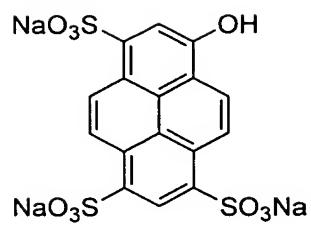
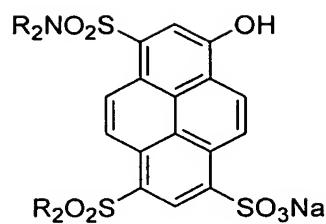


FIG. 19

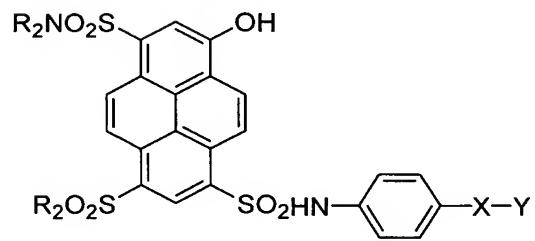


1. CISO_3H
2. HNR_2



$n = 0 - 8$

1. CISO_3H
2. $\text{H}_2\text{N}-\text{C}_6\text{H}_4-\text{X}-\text{Y}$
Pyridine



R = Alkyl groups

X = $-(\text{CH}_2)_n-$

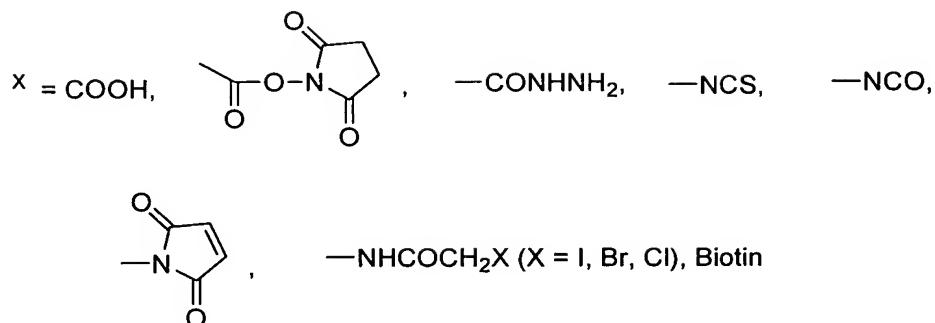


FIG. 20

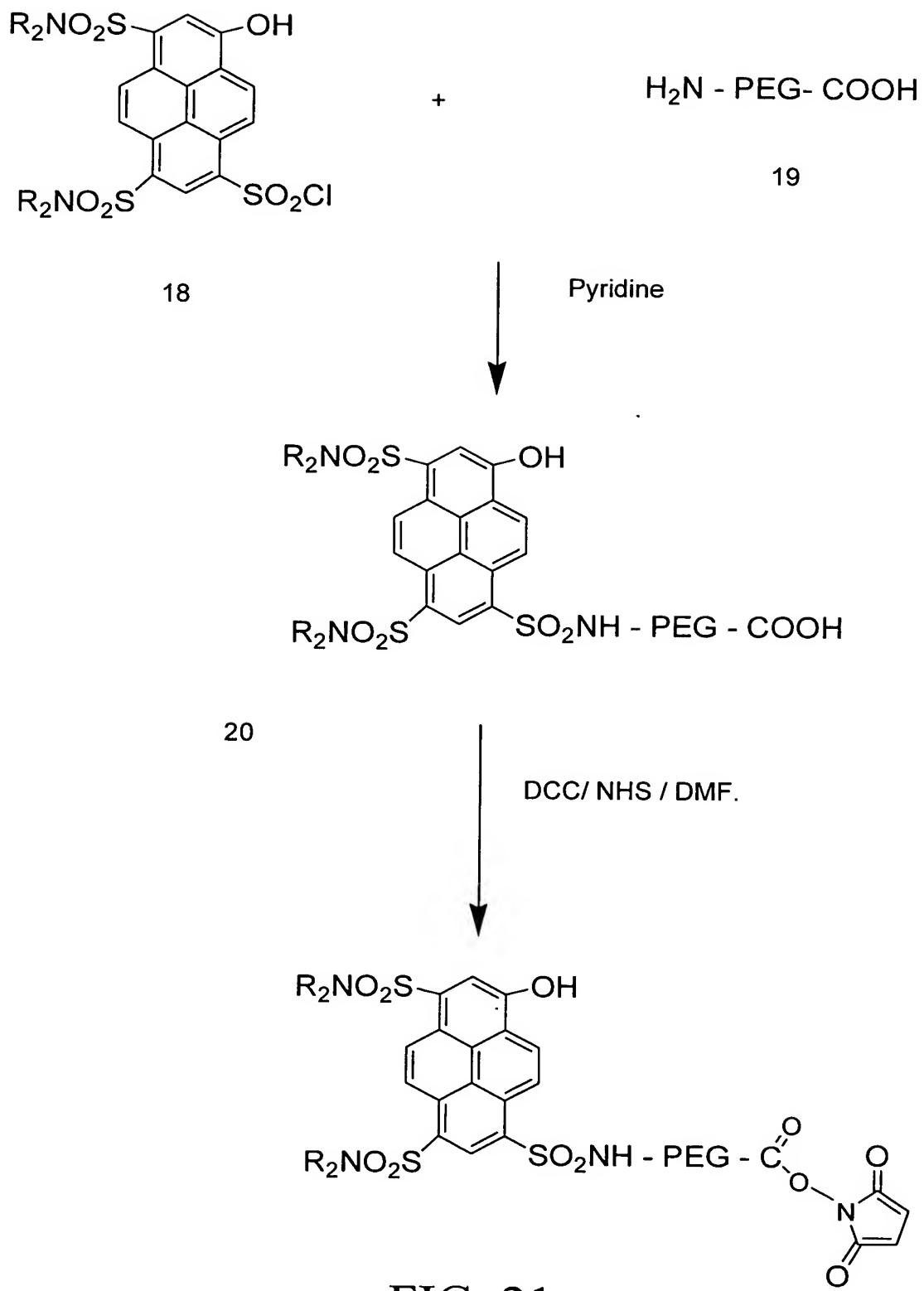


FIG. 21